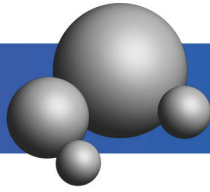


ND BiSeal 0603[®]

Sealer



ND Industries[®] is ISO9001:2000 / AS9001B / QPL-18240F / QSLM Registered



DESCRIPTION:

- ND BiSeal 0603 is a new wax based material designed to seal sheet metal holes upon installation of the coated fastener.
- ND BiSeal 0603 is factory **PreApplied** below the head of the fastener to seal along the threads and around the bottom of the head in sheet metal attachments.

APPLICATIONS:

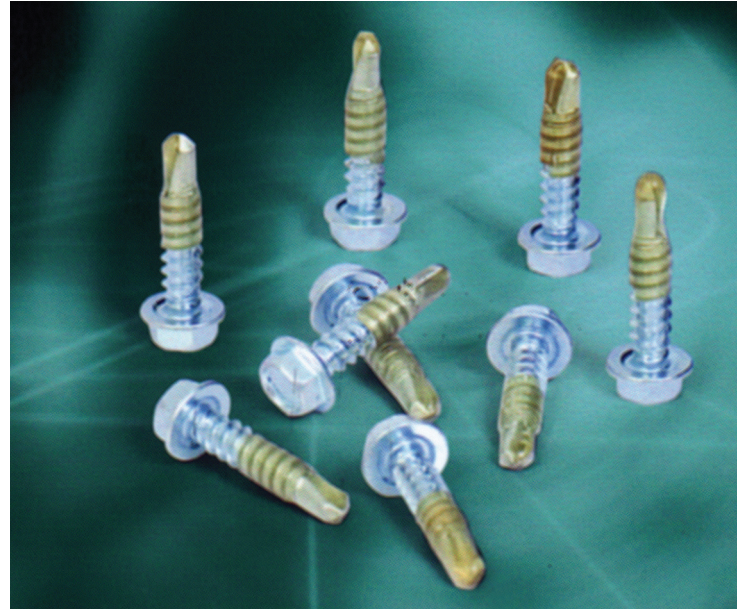
- Automotive body panels.
- Sheet metal enclosures.

FEATURES:

- ND BiSeal 0603 is amber in color, dry to the touch and ready for immediate assembly upon receipt by the customer.
- ND BiSeal 0603 seals against moisture, air and environmental contaminants.

BENEFITS:

- ND BiSeal 0603 replaces costly O-Rings that can be torn during installation.
- ND BiSeal 0603 costs less than other forms of under-head sealing applications.



ND BiSeal 0603 meets or exceeds the performance requirements of the following specifications and/or standards:

AUTOMOTIVE

- Chrysler MS-CD 51
- General Motors GM 6039M
- Ford Motor Company WSS-M21P27-A4, ESB-M4G80-A

For a complete list, contact ND INDUSTRIES.

PROPERTIES SUMMARY:

Performance of Material

Melting Point	+284°F (+140°C)
Softening Point	+257°F (+125°C)
Volatile Organic Content	0%
Odor	Slight
Specific Gravity	0.96

Performance of Cured Material

Adhesion	24 hours @ +158°F (+70°C) 7 days @ -20°F (-29°C)
Water Leak Test	Aged 7 days @ +158°F (+70°C) Aged 10 days @ +158°F (+70°C)
Cold Shock Test	50 min. @ -175°F +/- 27°F (-115°C +/- -3°C)
Paint Staining	Material exposed to painted substrate @ + 174°F (79°C) for 168 hours
Heat Resistance	Coated part subjected to 1 hour at 275°F (135°C)
Application into non-threaded substrate	Insertion into 0.90 x 123 x 300 mm holes Insertion into 0.35 x 8 x 14 inch holes Insertion into above halfway with internal tooth lock washers
Storage	Store coated fasteners in a cool and dry location at room temperature

® ND, ND BiSeal 0603 and ND Industries are registered trademarks of ND Industries, Inc.

For more information on ND BiSeal 0603 or any of ND Industries' other quality fastening products, contact your nearest ND Service Center:

ND Western Fastener Processing Division
13929 Dinard Avenue
Santa Fe Springs, California 90670
Phone: 562-926-3321
FAX: 562-926-4266

ND Midwestern Fastener Processing Division/Detroit
1000 North Crooks Road
Clawson, Michigan 48017
Phone: 248-655-2529
FAX: 248-655-2562

ND Industries Asia, Inc./Taiwan
4-5 Lane 832 An-Jau Road
Yen-Chou
Kaoshiung, Taiwan R.O.C.
Phone: 886-7616-7733
Fax: 886-7616-6611

ND Southwestern Fastener Processing Division
3611 Dalworth Street
Arlington, Texas 76011
Phone: 817-633-2788
FAX: 817-649-7730

ND Midwestern Fastener Processing Division/Cleveland
9051 Dutton Drive
Twinsburg, Ohio 44087
Phone: 330-425-3167
FAX: 330-425-3065

ND Electronics (Kunshan) Co., Ltd.
395 Ye Cheng Zhong Road
Kunshan City, China 215300
Phone: 86-512-57765335
Fax: 86-512-57755353

ND Midwestern Fastener Processing Division/Chicago
1840 Raymond Drive
Northbrook, Illinois 60062
Phone: 847-498-3600
FAX: 847-498-1582

ND Southeastern Fastener Processing Division
2220-C Center Park Drive
Charlotte, North Carolina 28217
Phone: 704-329-0033
FAX: 704-329-0975

ND Midwestern Fastener Processing Division/Rockford
3954 South Central Avenue
Rockford, Illinois 61102
Phone: 815-963-3600
FAX: 815-963-4195

ND Eastern Fastener Processing Division
128-2 Bauer Drive
Oakland, New Jersey 07436
Phone: 201-651-1500
FAX: 201-651-1400

Corporate Offices

1000 North Crooks Road · Clawson, Michigan 48017 USA · Phone: 248-288-0000 · Fax: 248-288-0022
Visit our web site at www.ndindustries.com · e-mail: ndinfo@ndindustries.com



Los Angeles · Dallas · Chicago · Rockford · Detroit · Cleveland · Charlotte · New York · Orlando
Kaoshiung, Taiwan · Kunshan City, China